

Date: 12-01-2020

Instructions:

RUHS

Second Year MBBS Examination

II MBBS PATHOLOGY PAPER I

Time: 3 hours

Max Marks: 40

Instructions: Question 1 in Section A and Question 4 in Section B are Compulsory. Attempt any one question from rest of the questions in each section. (Use separate answer sheet for each section)

Section 1

1. Discuss the production of monoclonal antibodies and their applications. (10)

2. Write short notes: (5)

- a. Bacterial growth curve.
- b. Spaulding classification of medical devices.

3. Write briefly on: (5)

- a. Laboratory diagnosis of typhoid fever.
- b. Molecular methods for T.B. diagnosis.

4. Write briefly on following: (5)

- a. Louis Pasteur
- b. Capsule and slime layer
- c. Autoclave
- d. Transport media.
- e. Lyophilization

Section 2

5. Enumerate the causes of diarrhea and discuss in detail its laboratory diagnosis. (10)

6. Write short notes on: (5)

- a. Non suppurative complications of streptococcus pyogenes infection.
- b. Scrub typhus

7. Write briefly on: (5)

- a. Type IV hypersensitivity.
- b. Immunochromatographic tests

8. Write short notes on: (5)

- a. Adjuvants
 - b. Coagulase test
 - c. Plasmid
 - d. Difference between mutational and transferable drug resistance
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e. Live vaccines

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